

RESPONSE UNDER 37 C.F.R. § 1.111
U.S. APP. NO. 10/773,456

REMARKS

Summary of the Office Action

Claims 1-5 are pending in the application.

Claims 1-5 are rejected under 35 U.S.C. § 102(e) as being anticipated by Takayama et al (2003/0006763 A1).

This rejection is respectfully traversed.

Analysis of the Rejection of Claims 1-5

In rejecting claims 1-5, the Examiner cites Takayama as teaching each of the elements of the claims. Applicant submits, however, that Takayama et al does not anticipate claims 1-5 at least because Takayama et al does not teach at least the magnetic field sensing coil of claim 1.

In more detail, claim 1 recites “a magnetic field sensing coil formed by a metal film in a structure of winding magnetic core.” The Examiner refers to elements 71 and 72 of Takayama et al as satisfying this limitation. Applicant submits, however, that elements 71 and 72 of Takayama et al do not constitute a magnetic field sensing coil.

More specifically, Takayama et al discloses a magnetic impedance element wherein an external magnetic field is measured by measuring the impedance of the magnetic element. Takayama et al teaches providing a coil 71, 72 that constitutes a bias coil 61 and a negative feedback coil 62 (see Paragraph 138). Thus, elements 71 and 72 constitute a bias coil and a negative feedback coil, provided to increase the linearity of the magnetic impedance element.

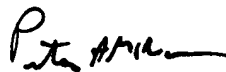
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The feedback coil and bias coil are not provided as, and do not constitute, a magnetic field sensing coil. Accordingly, Takayama et al does not anticipate claim 1, or dependent claims 2-5.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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